

WHAT IS CLAIMED IS

1. A sealant-incorporated tire manufacturing method comprising the steps of superposing an inner liner (2, 2₁, 2₂) onto an inner surface of a tire body (1) prior to 5 vulcanization and bonding at least a part of said inner liner (2, 2₁, 2₂) to the inner surface of said tire body (1) by vulcanization to define an annular sealant chamber (6) by said inner liner (2, 2₁, 2₂) inside a tread (15) of 10 said tire body (1), in which a mold release sheet (9, 9₁, 9₂, 9₃) having a mold releasing property is placed on a portion of said inner liner (2, 2₁, 2₂) facing to said sealant chamber (6) prior to vulcanization.
2. A sealant-incorporated tire manufacturing method according to claim 1, wherein at least a part of one 15 surface of said mold release sheet (9) has the mold releasing property, and, in the vulcanization step, a part of said mold release sheet (9) which has no mold releasing property is bonded to a wall surface of said sealant chamber (6) by vulcanization.
- 20 3. A sealant-incorporated tire manufacturing method according to claim 1, wherein said mold release sheet (9₁, 9₂, 9₃) is formed of a material soluble in a sealant (7), so that said mold release sheet (9₁, 9₂, 9₃) is dissolved 25 into said sealant (7) by injecting said sealant (7) into said sealant chamber (6).

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4 A sealant-incorporated tire manufacturing method according to claim 3, wherein said mold release sheet (9₁, 9₂, 9₃) is formed of water-soluble paper or non-woven fabric.

5 5. A sealant-incorporated tire manufacturing method according to claim 3, wherein said mold release sheet (9₁, 9₂, 9₃) is a film formed of a natural polysaccharide.

6. A sealant-incorporated tire manufacturing method according to claim 1, wherein a plurality of mold release sheets (9₁, 9₂, 9₃) are laminated one on another.

10 7. A sealant-incorporated tire manufacturing method according to claim 1, wherein said mold release sheet (9₂) is folded into a corrugated shape prior to vulcanization, and said mold release sheet (9₂) is expanded in the 15 vulcanization step.

8. A sealant-incorporated tire, which is manufactured by the sealant-incorporated tire manufacturing method according to any one of claims 1 to 7.

DRAFTING DRAWING